

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/802,400 |
| Filing Date | March 17, 2004 |
| First Named Inventor | Gerard Marx |
| Art Unit | 4659 1657 |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | 39612/20 |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| <i>[Signature]</i> | 1- | us- 6,503,731 B2 | 01-07-2003 | Marx et al. | |
| <i>[Signature]</i> | 2 | us- 6,150,505 | 11-21-2000 | Marx et al. | |
| <i>[Signature]</i> | 3 | us- 5,879,924 | 03-09-1999 | Foster et al. | |
| <i>[Signature]</i> | 4 | us- 5,783,214 | 07-21-1998 | Royer et al. | |
| <i>[Signature]</i> | 5 | us- 5,637,687 | 06-10-1997 | Wiggins | |
| <i>[Signature]</i> | 6 | us- 5,635,609 | 06-03-1997 | Levy et al. | |
| <i>[Signature]</i> | 7 | us- 5,411,885 | 05-02-1995 | Marx et al. | |
| <i>[Signature]</i> | 8 | us- 5,324,647 | 06-28-1994 | Rubens et al. | |
| <i>[Signature]</i> | 9 | us- 5,260,420 | 11-09-1993 | Burmouf-Fadosevich et al. | |
| <i>[Signature]</i> | 10 | us- 5,069,936 | 12-03-1991 | Yen | |
| <i>[Signature]</i> | 11 | us- 4,373,027 | 02-08-1983 | Berneman et al. | |
| <i>[Signature]</i> | 12 | us- 4,147,767 | 04-03-1979 | Yapel, Jr. | |
| <i>[Signature]</i> | 13 | us- 3,937,668 | 02-10-1976 | Zolle | |
| <i>[Signature]</i> | 14 | us- 3,663,687 | 05-16-1972 | Evans | |
| <i>[Signature]</i> | 15 | us- 6,552,172 B2 | 04-22-2003 | Marx et al. | |
| | | us- | | | |
| | | us- | | | |
| | | us- | | | |
| | | us- | | | |
| | | us- | | | |

[illegible]

| | | | |
|-----------------------|---|--------------------|--------|
| Examiner Signature |  | Date Considered | 1/6/07 |
|-----------------------|---|--------------------|--------|


*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinda Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

| | | | | | |
|---|---|--------------------------|----------------------|------------------------|----------|
| Substitute for form 1449B/PTO | | Complete if Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/280,871 | | |
| | | Filing Date | October 25, 2002 | | |
| | | First Named Inventor | Gerard Marx | | |
| | | Group Art Unit | 1651 1457 | | |
| | | Examiner Name | Not yet assigned NAF | | |
| Sheet | 2 | of | 3 | Attorney Docket Number | 39612/13 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| an | 20 | Lee, et al., Serum Albumin Beads: An Injectable, Biodegradable System for the Sustained Release of Drugs, Science 213:233-235 (1981). | |
| an | 21 | Miyazaki, et al., Preparation and evaluation in Vitro and in Vivo of Fibrinogen Microspheres Containing Adriamycin, Chem Pharm. Bull. (Tokyo), 1986, 34(8): 3384-93. | |
| an | 22 | Arshady, R., Microspheres and Microcapsules: A Survey of Manufacturing Techniques, Part I: Suspension Cross-Linking. Polymer Engineering and Science 29 (24): 1746-1758, 1989. | |
| an | 23 | Arshady, R., Microspheres and Microcapsules: A Survey of Manufacturing Techniques: Part II: Coacervation, Polymer Engineering and Science 30 (15): 905-914, 1990. | |
| an | 24 | Arshady, R., Microspheres and Microcapsules: A Survey of Manufacturing Techniques: Part III: Solvent Evaporation, Polymer Engineering and Science, 30 (15): 915-924, 1990. | |
| an | 25 | Sustlick, et al., Protein Microencapsulation of Non-Aqueous Liquids, Journal of American Chemical Society 112:7807-7809, 1990. | |
| an | 26 | Yapel, Albumin Microspheres: Heat and Chemical Stabilization, Methods in Enzymology 112:3-43 (1985). | |
| an | 27 | Ho et al., Fibrin-based delivery systems II. The preparation and characterization of microbeads, Drug Develop. Industrial Pharm. (1994) 20(4): 535-546. | |
| an | 28 | Ho et al., Fibrin-based delivery systems III: The evaluation of the release of macromolecules from microbeads, J. Controlled Release (1995) 34: 65-70. | |
| an | 29 | Miyazaki et al., Fibrinogen microspheres as novel drug delivery systems for antitumor drugs, Chem. Pharm. Bull. (1986) 34(3): 1370-75. | |
| an | 30 | Dickinson et al., Rheology of milk protein gels and protein-stabilized emulsion gels cross-linked with transglutaminase, J. Agric. Food Chem. (1996) 44:1371-1377. | |

| | | | |
|--------------------|---|-----------------|--------|
| Examiner Signature |  | Date Considered | 1/6/07 |
|--------------------|---|-----------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | |
|---|--|--|--------------------------|-----------------------|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete If Known | |
| Sheet 3 of 3 | | | Application Number | 10/280,871 |
| | | | Filing Date | October 25, 2002 |
| | | | First Named Inventor | Gerard Marx |
| | | | Group Art Unit | 4651 1657 |
| | | | Examiner Name | Not yet assigned 1657 |
| | | | Attorney Docket Number | 39612/13 |

[illegible]

| | | | |
|-----------------------|---|--------------------|--------|
| Examiner Signature |  | Date Considered | 1/6/07 |
|-----------------------|---|--------------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**